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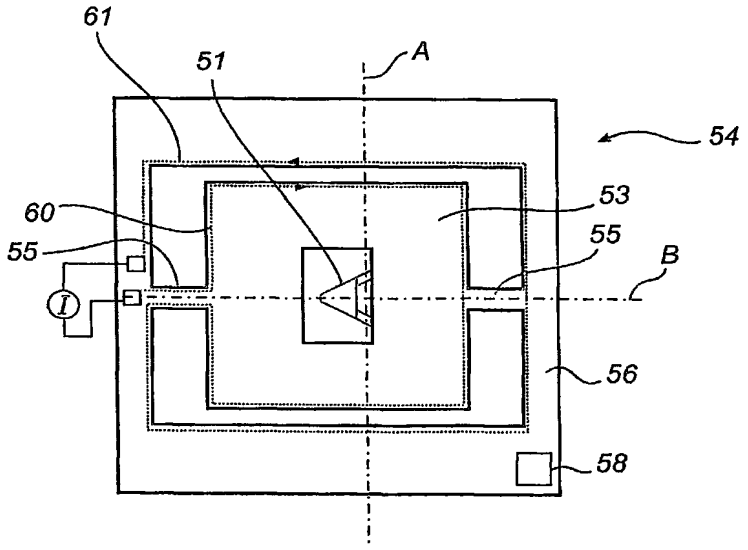
(54) Title: LASER BEAM SCANNER




(57) Abstract: A two dimensional scanning device, for use in a projecting display, comprising a surface (53) suspended by at least two torsion elements (55) defining a torsion axis (B), and a first actuator (60, 61) for pivoting said surface (53) around said torsion axis (B). The scanner further comprises a cantilever beam (51) having one end fixed in relation to said surface and an opposite end arranged to bend around a bending axis (A) non-parallel to said torsion axis (B). The cantilever beam (51) is provided with a reflective surface and a second actuator (58) is arranged to bring said cantilever beam to oscillate at its resonance frequency. The combination of a slow torsion scanner and a faster cantilever scanner 10 provides a two dimensional scanner capable of scanning a laser beam in a raster pattern to project an image.

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